

MERIDIAN ANNOUNCE NEXT GENERATION DSP8000 XE DIGITAL ACTIVE LOUDSPEAKER

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*****Full Force Meridian: Major Advances in Platform Design, Audio Engineering and Performance Unleashed for Meridian's DSP Digital Active Loudspeakers*****

Meridian Audio has launched ground-breaking new developments in Digital Active Loudspeakers with the introduction of its new flagship loudspeaker, the DSP8000 XE.

The DSP8000 XE is the first Meridian loudspeaker to emerge from the company's Extreme Engineering Programme which commenced more than six years ago. Informed by psychoacoustics and engineered by experts, the Extreme Engineering Programme was created to re-imagine every element of Meridian's product platforms, including both software and hardware.

A major advance, borne from Meridian's significant investment in this programme, is a new design concept known as 'Precision Sonic Transport' (PST). PST adopts innovative techniques and new processes to ensure that every aspect of the audio signal journey through the loudspeaker maintains maximum sonic fidelity. Every detail and emotion is rendered to the listener exactly as captured in the recording. DSP8000 XE is the first of Meridian's products to benefit from the enhancements enabled by PST, with further new product developments to be announced.

Key Features of DSP8000 XE

The DSP8000 XE is built on a brand-new audio architecture, using higher specification, more powerful components and leveraging Meridian's expertise in psychoacoustics to achieve exceptional sound quality.

- **Atlas Software Core.** An all-new, future facing audio processing and control platform. Host to Meridian's most powerful DSP engine to date, Atlas Software Core enables the implementation of new enhancement technologies and features. It also allows even more performance to be extracted and delivered from Meridian's existing proprietary audio technologies.
- **R1 Electronics Platform.** The essential hardware infrastructure that deploys the Precision Sonic Transport design concept in DSP8000 XE. It features all-new, highly specified digital and analogue circuitry and sophisticated, signal enhancing developments, including:
 - **Command Board:** State of the art processing centre, dedicated to the powerful DSP processing engine and controlling the functionality of the speaker.
 - **Sync-Link:** Transporting precision re-clocked digital audio via shielded RJ45 links from the Command Board directly to the new DAC boards.
 - **All new DACs and Amplifiers:** Separate dedicated higher performance DAC boards and

more powerful, application-specific amplifier boards are hard-wired via extremely short balanced audio connections to minimise any signal interference.

- **Next Generation Drive Units.** Introduced throughout to push performance levels to new heights.
 - **Subsonic Bass Driver:** Six all-new 200mm long-throw (24mm excursion) bass drivers in a 'force balanced' configuration to give maximum bass extension with total clarity and control.
 - **Evo Mid-Range Driver:** A 160mm long-throw drive unit, newly developed non-conductive voice coil former and large motor system to deliver detail and clarity combined with power and dynamics.
 - **Ultrasonic Tweeter:** A 25mm beryllium dome and silver voice-coil featuring a new custom steel waveguide which enables pinpoint imaging and wide dispersion for total spatial immersion.
- **Cabinet and Mechanics.** Modernised aesthetics and re-engineered cabinet accommodate mechanical performance enhancements with updated driver clamp-ring system, flush-fitting acoustically transparent metal grilles and mass-loading aluminium base plate.
- **Connectivity and Control.** DSP8000 XE offers significant new connectivity and control features. These include easy setup and control via the new Meridian B-Link Bluetooth device, IR, USB, RS232, or with a Meridian Controller product. Each loudspeaker also includes the optional IA21 analogue input module which enables users to connect and control the DSP8000 XE via their preferred third-party analogue pre-amplifier or processor, if they wish.

Following an exclusive preview of the new product to Meridian's global distributors and dealers, John Buchanan, Meridian's CEO commented:

"We are thrilled to reveal the first new Meridian loudspeaker to be developed from our Extreme Engineering Programme. The DSP8000 XE delivers the full force of Meridian's experience, expertise, and continuous investment in research and audio technology development."

"DSP8000 XE embodies all of Meridian's core values and breaks new ground in Meridian loudspeaker performance with the first implementation of our Precision Sonic Transport design concept. The all-new hardware and software platforms combine to unleash a new level of accuracy, power and emotional connection, and the result is a holographic sound experience so immersive that it's as if the loudspeakers are not in the room."

"DSP8000 XE is truly a next generation Meridian loudspeaker and leads the company into an exciting new era for our talented team, our business partners and our customers."

Performance Facts

- **Frequency Response:** In-room within 3dB: 18Hz – 40kHz
- **SPL:** 120dB@1m for a single loudspeaker
- **Amplifiers:** Tweeter and Mid-range - each >150W into 4Ω, Class AB, Bass – six bridged pairs, each pair >240W into 4Ω, Class D
- **Tweeter:** 1 x Ultrasonic tweeter, 25mm beryllium dome with custom waveguide
- **Mid-Range Driver:** 1 x Evo mid-range, bespoke 160mm with clear cone
- **Bass Drivers:** 6 x Subsonic bass drivers, 200mm with long-throw, polypropylene cone

Orders for the DSP8000 XE are being taken now, the standard finish is piano black. Select colour options are available. Start of production for DSP8000 XE is March 2022.

For more details on the DSP8000 XE, visit <https://www.meridian-audio.com/XE>.

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Meridian Audio Contacts:

For further information, please contact: Katy Bradshaw at katy.bradshaw@meridian.co.uk

PR Contacts:

Please contact: Jeff Hayward at Wildwood Public Relations
jeff.hayward@wildwoodpr.com

ABOUT MERIDIAN AUDIO

Meridian, the award-winning British audio pioneer, has been creating innovative audio technologies and elegant, high performance audio products since 1977. Meridian's ambition is to enable people to listen, enjoy and fall in love with their music and movies wherever they are, and our renowned sound philosophy can be applied in all listening environments.

From the flagship DSP loudspeakers with integrated amplification, to discreet and powerful in-wall loudspeakers, Meridian engineers easy to install, high resolution audio systems for the home. Meridian's products are sold by custom integrators and audio specialists in more than 80 countries, worldwide.

Meridian works with many of the world's leading brands and our customers include British Airways, Human Horizons, LG Electronics, Jaguar Land Rover, Kia and Rivian, enabling millions of consumers around the world to experience our sound throughout their homes, and in automotive, marine and airline settings. Learn more at www.meridian-audio.com.

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